

# MECHELECIV

THE STUDENTS NEWSPAPER \* VOL 30 \* SEPT 1982 \* NO. 1

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WELCOME

THE ENGINEERS COUNCIL  
REPRESENTS YOU --- STUDENTS OF  
THE SCHOOL OF ENGINEERING

WE NEED YOUR PARTICIPATION AND IDEAS ON ALL ASPECTS OF STUDENT LIFE:

- STUDENT GRIEVANCES ---
- IMPROVMENT OF EDUCATIONAL FACILITIES ---
- IMPROVEMENT OF LIBRARY FACILITIES ---
- STUDENT REPRESENTATION IN SCHOOL ADMINISTRATION ---
- STUDENT CHAPTERS OF PROFESSIONAL ORGANIZATIONS ---
- STUDENT REPRESENTATION ON FACULTY HIRING COMMITTEES ---
- EXTRACURRICULAR ACTIVITIES ---

JOIN US IN THE EXCHANGE OF IDEAS AND GOOD FELLOWSHIP  
AND HELP DEFEND STUDENTS RIGHTS

THE DAVIS-HODGKINS (DH) HOUSE  
2142 G STREET, N.W. (A BLOCK FROM TOMPKINS HALL)  
WASHINGTON, D.C. 20052

INFORM US ON ANY COMPLAINTS OR SUGGESTIONS

THE COUNCIL HAS A SUGGESTIONS / COMPLAINTS BOX  
IN THE ENGINEER'S LOUNGE (TOMPKINS 207).

## THE ENGINEER'S COUNCIL

BY THE

President, Engineer's Council

The Engineer's Council is the coordinating body for student activities in the School of Engineering and Applied Science. These activities fall basically into two groups, educational and social. The educational group consists of seminars and field trips. They are often sponsored jointly by the Council and one or more of the member societies. National Engineer's Week in February is organized on campus by the Council. This week is devoted to seminars on various topics of interest to engineering students. The social activities organized by the council consist of mainly small parties held in the D-H House for the purpose of providing more students with a way of getting to know one another. The Council also holds a ball at the conclusion of Engineer's Week and a picnic in the Spring shortly before finals.

In addition to organizing the activities mentioned above, the Council also provides many services for the convenience of the engineering student body. The D-H House serves as both a place to study and a place to take a break from it all. A coffee machine and a Coke machine are provided for the use of all engineering students. Free copier service is also provided. The lounge on the second floor of Tompkins Hall is provided for use by the students. It also is a place in which to study or relax between classes. A coffee machine is provided there as well.

In order to provide these functions and services an Engineer's Council fee is collected from each engineering student at registration. This fee makes up the treasury of the Council. The Council has the responsibility to spend these funds in a proper fashion. The

students should make use of as many of these services as he or she needs and should also make suggestions to the Council as to how to improve these services or as to new services that it may provide. Remember, if you sit by and let other people do all of the work, then you have nobody but yourself to blame when things are not done the way you think they should be.

DAVIS-

HODGKINS HOUSE

BY THE

D-H House Manager

The Davis-Hodgkins house is the main focal point for School of Engineering and Applied Science student activities. Located at 2142 G street, the D-H house offers a unique opportunity for students to acquire a diversified knowledge of engineering through interaction with other students.

The D-H house offers many free services to engineering students. These services include a copier, free use of the typewriter, reference books and calculator. Coffee and tea is served without charge daily. The copier, because of large use and age, is restricted to certain hours which are posted on the front door of the house and above the copier.

Study lounges are provided with desks and tables for individual or group study. Tutors are available to help undergraduates having difficulties. A list of tutors and tutor hours are posted in the lower hall bulletin board.

The D-H house is open from 8 am to 12 midnight daily. The only basic house rules are no smoking, and no sleeping, which is university policy. The house is open to all engineers, so come and visit, help yourself to some free coffee, and join in the exchange of ideas and good fellowship. We hope to see you soon.

The DH House library system which is currently being installed is the result of the efforts of some members of the IEEE student chapter at GW. The library is located at the Davis-Hodgkins House for Engineering students at 2142 G St. N.W. The idea stemmed from the fact that at present there is a severe shortage of engineering references at the Gelman Library. Although the Gelman Library is in the process of remedying this fact, it was felt that any assistance in this matter would be useful.

The books in the library consist of books donated by the various professors, the Engineers Council and those purchased by the IEEE. The library has books on various subjects for instance references for computer languages such as fortran, pascal and assembly language. There are also texts in the fields of engineering administration, mechanical engineering and civil engineering. There is an effort to include a magazine section to the library. Currently the Engineers Council subscribes to Popular Mechanics, Popular Electronics, Omni and Discover. We hope to increase the number of new magazines available. Past issues of Electronic Design and some other magazines are also available.

The library will function as follows. Library books will always be available for reference during the school week (during specified hours). There will be catalogs of the books (and magazines if viable) at the department offices and at the DH house. A plan to allow loans during the weekends is being worked out and if viable will be implemented within a month. The library is scheduled to open the second week of class.

On behalf of the Engineers Council I would like to thank Anne Karen, Hee and Pam for their help in making the library a reality.

The Institute of Electrical and Electronic Engineers, IEEE, is the professional society for electrical engineers. It is the largest professional engineering organization in the world and at the George Washington University. IEEE is devoted to the professional development of electrical engineers and electrical engineering students. The GW branch of IEEE primarily sponsors field trips and guest lectures. Activities in the past have included a lecture luncheon with Dr. Friedman, the EE/CS department chairman, field trips to Naval Research Lab's micro-electronics laboratory, and a field trip to Hewlett-Packard in Rockville, Maryland.

This year IEEE will have field trips to Goddard Space Flight Center, Naval Research Lab and other companies to show the facilities and projects that electrical engineers may be involved with. Lectures on campus are also planned for this year. Detail will be made available at a future date, look for them.

If IEEE sounds like your kind of society, then join. Applications are available in the EE/CS office and in the D-H house. If you have any questions see Bob Burdett or Dr Heller.

#### EDITORIAL STAFF

A. JEYANATHAN

ABID KAMRAN

BOB BURDETT

# MECHELECIV

*Resumed  
publ*

THE STUDENTS NEWSPAPER \* VOL 30 \* OCTOBER 1980 \* NO. 1

## THE ENGINEER'S COUNCIL

Mark Eisenberg

President, Engineer's Council

The Engineer's Council is the coordinating body for student activities in the School of Engineering and Applied Science. These activities fall basically into two groups, educational and social. The educational group consists of seminars and field trips. They are often sponsored jointly by the Council and one or more of the member societies. National Engineer's Week in February is organized on campus by the Council. This week is devoted to seminars on various topics of interest to engineering students. The social activities organized by the council consist of mainly small parties held in the D-H House for the purpose of providing more students with a way of getting to know one another. The Council also holds a ball at the conclusion of Engineer's Week and a picnic in the Spring shortly before finals.

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(continued on page 3)

## DAVIS-

HODGKINS HOUSE

Mojtaba Mirmirani

(Taba)

D-H House Manager

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**MINUTES**  
**ENGINEER'S COUNCIL MEETING**  
**September 4, 1980**

At 9:23 p.m., the meeting was called to order with President Eisenberg presiding. The minutes were read from the meeting of August 17<sup>th</sup> and accepted. There is approximately \$23,900 left in this year's budget. No written Treasurer's report was submitted.

The D-H house report states the copier is not functional, the typewriter needs fixing and the Coke machine needs to be filled. The coffee supplies will last through September. The house manager will investigate the cost of painting the house and having the house exterminated.

**OLD BUSINESS**

Registration went well. Thank's to all the people who donated their time to help publicize the D-H house and the Council.

Article III Section 5, amended August 17, 1980, was altered. The faculty representative to the Council no longer has a vote on Council matters.

The Council will sponser a bus to the Alumni Picnic.

MECHELECIV will be started as a newsletter to be published the week of September 15<sup>th</sup>. It will include the Council Minutes, a calander of events, description of the Council and its purpose, and the hours of the D-H house is open.

The party scheduled for Sept. 20<sup>th</sup> is left to a committee of Corrigan, Burdett, Poremba, and McIntyre. There is \$300 remaining from money allocated for september parties. The committee will provide  
(continued on page 3)

**MINUTES**  
**ENGINEER'S COUNCIL MEETING**  
**September 19, 1980**

The meeting was called to order at 9:18 p.m. with Mark Eisenberg presiding. The minutes were read from the Sept. 4 meeting and accepted. The treasurer's report showed expenses for coffee and doughnuts at registration totalled \$162.00. The balance remaining is \$23,599.90. The D-H house Manager reported the coffee supplies have arrived, the copier and typewriter are functional and the house has been exterminated.

**OLD BUSINESS**

The barbecue committee announced hamburgers, beer, etc. have been ordered for the Sept. 20<sup>th</sup> party.

Articles have been received from various societies to be published in the MECHELECIV. The newsletter will consist of 2 columns, 6 pages and a circulation of about 500 copies.

For the Alumni Picnic, the turnout of the barbecue will be used to estimate the picnic participation and the size of the bus required for transportation.

Mirmirani to look into furniture receipts.

**NEW BUSINESS**

IEEE Computer Society petition to be a voting member on the council accepted (unanimous).

IEEE request \$45 for coffee, doughnuts and other expenses for TI seminar on Oct. 7 granted.

IEEE request \$312 for lecture-luncheon on Oct. 15 also approved. 60 persons expected  
(continued on page 4)



## INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS

Bill Hom,  
Chairman IEEE

The Institute of Electrical and Electronic Engineers, IEEE, is the professional society for electrical engineers. It is the largest professional engineering organization in the world and at the George Washington University. IEEE is devoted to the professional development of electrical engineers and electrical engineering students. The GW branch of IEEE primarily sponsors field trips and guest lecturers. Activities in the past have included a seminar (calculator given away) by Hewlett-Packard and a field trip to Fairchild for an up-close look at the A-10 attack fighter.

This year, IEEE has planned a lecture luncheon with Dr. Friedman, the EE/CS department chairman, and a lecture with Texas Instruments (TI 59 given away). Possible field trips this year are to the Naval Research Laboratories, NASA's Goddard Space Flight Center, and to Control Data to play with PLATO, a super-intelligent computer system. Details will be made available at a future date, look for them!

If IEEE sounds like your kind of society, then join. Applications are available in the EE/CS office and in the D-H house. If you have any questions see Bill Hom or Dr. Heller.

### SEPT. 4TH continued

hamburger or pizza for 100 to 125 people.

The meeting was ajourned at 10:57 p.m. with these members present: Eisenberg(s), Poremba, Rush, McIntyre, Mirmirani, Corrigan, Borgas, Wormser, Hom, Baldauman, and Suarez.

## TUTORIAL ASSISTANCE

During the academic school year, the School of Engineering and Applied Science provides a variety of services to those students experiencing difficulties.

One of it's better-known and most widely sought programs is the tutorial assistance service. Free tutors are available to all undergraduates students experiencing acedemic difficulty. Students interested in providing or receiving tutorial help can contact Mr. Ivor Angus in Dean Feir's office, Tompkins Hall Room 109.

In addition to academic assistance, Mr Angus provides personal and finacial counseling to any SEAS student in need. Do not hesitate to contact him in the event of any difficulty.

### COUNCIL continued

students. It also is a place in which to study or relax between classes. A coffee machine is provided there as well.

In order to provide these functions and services an Engineer's Council fee is collected from each engineering student at registration. This fee makes up the treasury of the Council. The Council has the responsibility to spend these funds in a proper fashion. The students should make use of as many of these services as he or she needs and should also make suggestions to the Council as to how to improve these services or as to new services that it may provide. Remember, if you sit by and let other people do all of the work, then you have nobody but yourself to blame when things are not done the way you think they should be.

## BLACK ENGINEERS SOCIETY

Eugene F. Neal,  
President

Welcome to George Washington University. The members of the Black Engineers Society hope that you will become an active participant in the campus community. There are numerous organizations and activities you can participate in and thereby enhance and expand your horizons at this university. We encourage you to seek out those organizations which would benefit you most.

Let us introduce ourselves. The Black Engineers Society at G.W.U. was first established in 1970 by a group of students who recognized a need for an organization dedicated to insure the well-being of minority Engineering Students. With this in mind the Black Engineers Society was established and founded with these objectives: 1. to promote academic excellence by providing resources to aid achievement (seminars, tutoring, study buddy system, library-study area, practical projects). 2. to provide career information and assist members with career related problems. 3. to promote among individual members increased professional attitudes and actions. 4. to provide a mechanism for social interaction with the campus community and a means by which to stay informed of current events. 5. to inform high school students of the advantages of an Engineering career and the unlimited options that are available.

Membership in the B.E.S. is restricted to currently registered Engineering students at G.W.U. but we welcome everyone to attend our meetings. Meetings are held every other

(continued next column)

## TAU BETA PI

Patricia Bauldman,  
President Tau Beta Pi

Tau Beta Pi, the national engineering honor society, seeks as one of its major goals to recognize students of any engineering discipline who have attained high academic standing (top 1/8 junior class, top 1/5 senior class) and who possess good character. Unfortunately many members consider this distinction at most, merely an honor in name only, or at least "something that looks good on a resume". We cannot, however, accept the honor without responsibility, for the real goal of Tau Beta Pi is to aid fellow students academically and professionally. Thus, to be a member requires not only the necessary prerequisites, but also the willingness to actively work towards our designated goals. Only when this latter requirement is fulfilled will the Tau Beta Pi certificate hanging on the wall hold any real meaning.

### BES continued

Saturday at 12:00 noon in the Black People Union's (BPU) second floor conference room. For more information contact Eugene F. Neal (President) at 676-8155 or William Sims (Vice-President) at 683-4199.

### SEPT 19th continued

to participate.

Council voted to accord funds to ASCE to share expenses for field trip.

Chassler to look into feasibility of purchasing grill.

The meeting was adjourned at 10:25 with the following members present: Eisenberg(s), Mirmirani, Hom, Williams, Poremba, Chassler, Hollis, Corrigan, Suarez, Burdett, Wormser and Kraynak.

**AMERICAN SOCIETY  
OF MECHANICAL ENGINEERS**  
Tim Corrigan

As our title would suggest the G.W.U. chapter of the American Society of Mechanical Engineers is concerned primarily with the professional development of students in the mechanical engineering field. Our chapter accomplishes this task by providing interesting field trips to manufacturing and research facilities, sponsoring lectures by speakers whose specialty lies within the broad classification of mechanical engineering and participation in programs or contests which stress student involvement on both the theoretical and applications level.

Though the thrust of our activities tend toward the M. E. field, engineers of other disciplines may be interested in participating. For instance, field trips planned for this semester include tours to the Air Force Command Computer & Research facilities at Andrews Air Force Base on Friday, Oct. 10, the DuPont Plant in Seaford, Delaware tentatively scheduled for Oct. 24, and Wright-Patterson Air Force Base in Dayton, Ohio for a journey through futuristic laboratories at one of the top research facilities in the world.

Membership in the A.S.M.E. is advantageous in many respects among them being access to technical papers, communication with others in your field of study and insurance & loan opportunities. Participation in a professional society looks good on a resume.

For an application as a student member, inquire at the D-H House. You will be taking a big step towards the fulfillment of your goal as an engineer.

**AMERICAN SOCIETY OF  
CIVIL ENGINEERS**  
Wassim Omran,  
President ASCE

Choosing Civil Engineering as a profession is unique, since its aim is to put various segments of technology together into a system that will benefit society. This places the civil engineer at the interface between technology and the average citizen.

Joining the American Society of Civil Engineers, ASCE, student chapter at George Washington University is the first step toward showing your professional consciousness in civil engineering. Not only will you be able to expand on your technical formal education, but you will have the wonderful experience of developing personal relationships with your fellow students and faculty.

As an ASCE student chapter member, an annual ID card is issued to you. You will be able to attend all the chapter's meeting and activities. You will get a reduced rate for the magazine published by the ASCE, "Civil Engineering". You will be exempt from any "entrance fee" when you join the mother society.

The first meeting for the ASCE student chapter was held on Friday, September 12<sup>th</sup> 1980. Elections were held and the new officers for 1980/81 academic year are Wassim Omran-President, Tarek Alwazir-Vice President, Patricia Bauldman-Secretary, Margo Walter-Treasurer, and Mark Kraynak- Representative to the Engineer's Council.

To join the chapter, or if you need more information please contact any of the above officers.

**HAVE A NICE SUCCESSFUL SEMESTER**



# OCTOBER

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
			1	2	3	4
				IEEE Meeting 5:30	IBM COPIER MEETING 3:00 ASCE-INSTITUTE OF WATER 1100 RESOURCES TRAINING	
5	6	7	8	9	10	11
	IEEE - TI MOS Technology Lecture 4:30 Lisner		ASME meeting 12:30		Andrews Air Force Base. See Engineering and Computer Facilities 8:30-3:15 FEBRUARY WORK	BES meeting 12:00
12	13	14	15	16	17	18
			ASCE meeting 12:30	Engineer's Council Meeting 9:00 Computer Society Meeting 5:30		
19	20	21	22	23	24	25
	Columbus Day					BES meeting 12:00
26	27	28	29	30	31	
					Happy Halloween! Halloween Party at D-H House	

Engineer's Council meetings are at the D-H House.  
 IEEE, ASCE, ASME, Computer Society meetings are at the D-H House.  
 BES meetings are at the Black People's Union Bldg. HH.